

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090723\
 Data File : VU055208.D
 Acq On : 08 Sep 2023 00:32
 Operator : MD/SY
 Sample : 04306-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4K1

Quant Time: Sep 08 06:38:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 08 06:18:43 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

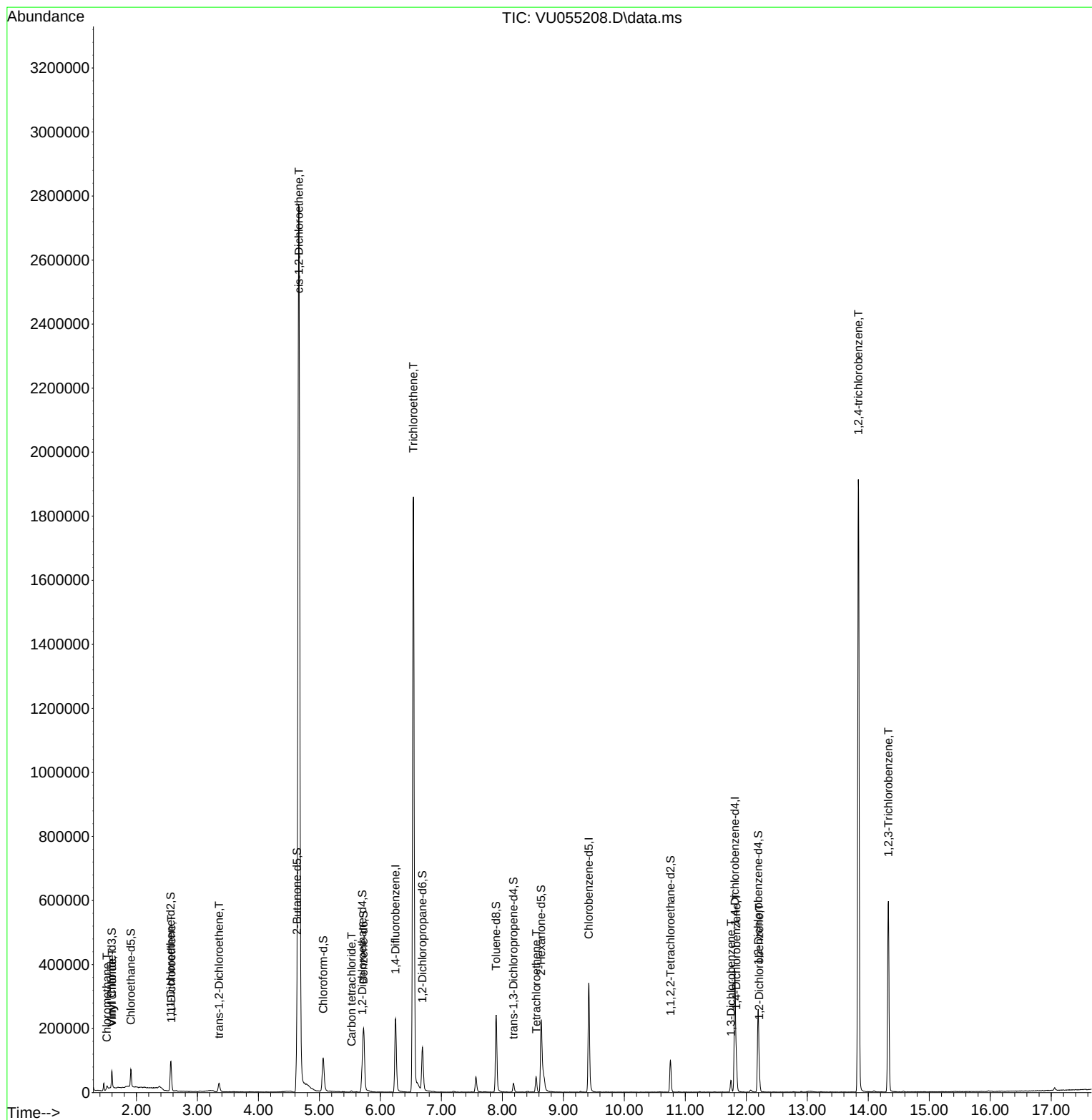
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	181060	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	183973	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	93256	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	25396	2.993	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.800%
7) Chloroethane-d5	1.908	69	36604	3.726	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.600%
11) 1,1-Dichloroethene-d2	2.560	65	17434	3.606	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.200%
20) 2-Butanone-d5	4.631	46	135766	55.132	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.260%
24) Chloroform-d	5.062	84	99267	4.408	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.200%
26) 1,2-Dichloroethane-d4	5.702	65	51715	4.590	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
32) Benzene-d6	5.724	84	182591	4.021	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.400%
36) 1,2-Dichloropropane-d6	6.689	67	63980	4.430	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.600%
41) Toluene-d8	7.898	98	162630	3.888	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.800%
43) trans-1,3-Dichloroprop...	8.181	79	16300	4.098	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.000%
46) 2-Hexanone-d5	8.634	63	71287	44.145	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.280%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	49449	4.868	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	58392	4.290	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						Qvalue
3) Chloromethane	1.515	50	5096	0.476	ug/L	92
5) Vinyl chloride	1.599	62	13689	1.211	ug/L	99
12) 1,1-Dichloroethene	2.570	96	1903	0.227	ug/L #	1
18) trans-1,2-Dichloroethene	3.354	96	10562	1.244	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	1388264	133.538	ug/L	97
31) Carbon tetrachloride	5.525	117	2224	0.168	ug/L	99
34) Trichloroethene	6.541	95	633040	58.174	ug/L	97
47) Tetrachloroethene	8.557	164	10198	1.356	ug/L	90
64) 1,3-Dichlorobenzene	11.750	146	15260	0.731	ug/L	98
65) 1,4-Dichlorobenzene	11.836	146	33019	1.587	ug/L	98
67) 1,2-Dichlorobenzene	12.213	146	15656	0.800	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	528832	35.749	ug/L	97
72) 1,2,3-Trichlorobenzene	14.328	180	165464	12.887	ug/L	99

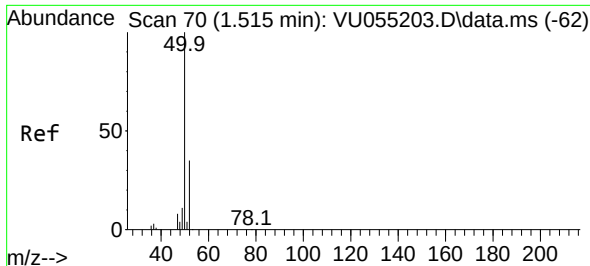
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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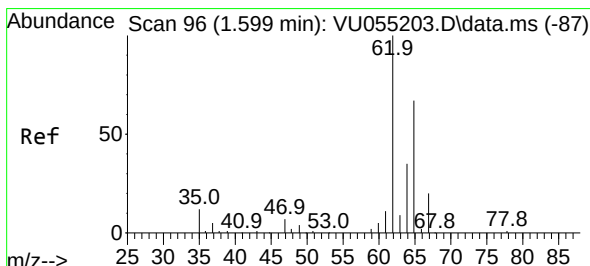
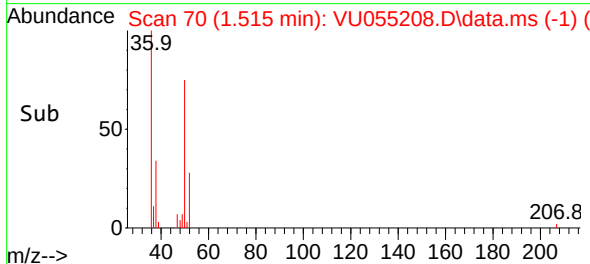
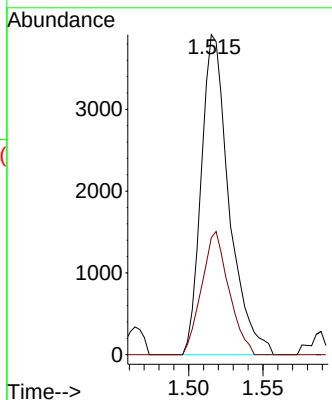
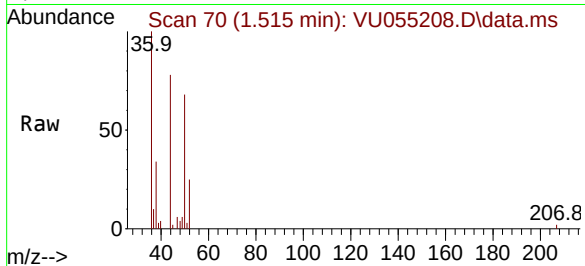




#3
Chloromethane
Concen: 0.476 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

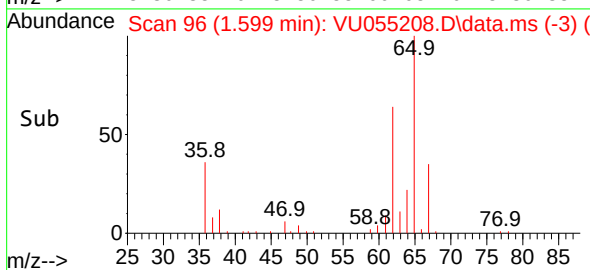
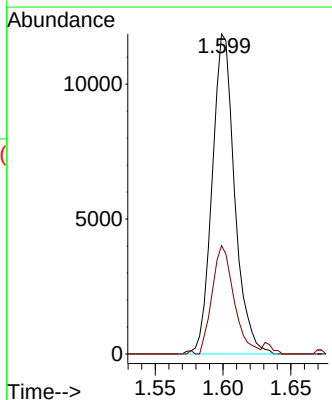
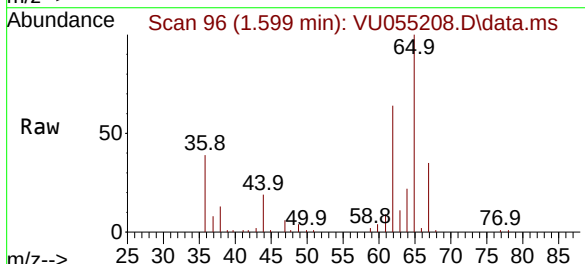
Instrument :
MSVOA_U
ClientSampleId :
BH4K1

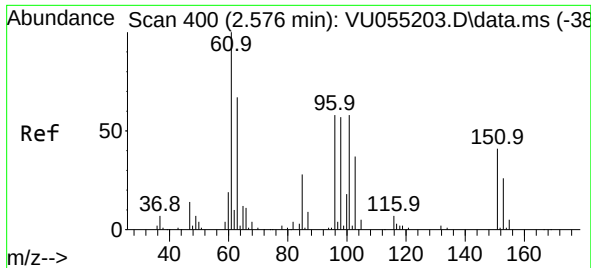
Tgt Ion: 50 Resp: 5096
Ion Ratio Lower Upper
50 100
52 36.6 22.5 41.7



#5
Vinyl chloride
Concen: 1.211 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

Tgt Ion: 62 Resp: 13689
Ion Ratio Lower Upper
62 100
64 33.9 24.2 45.0

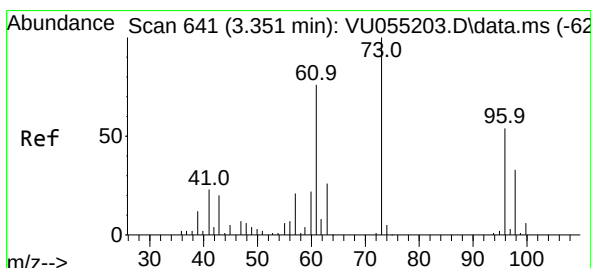
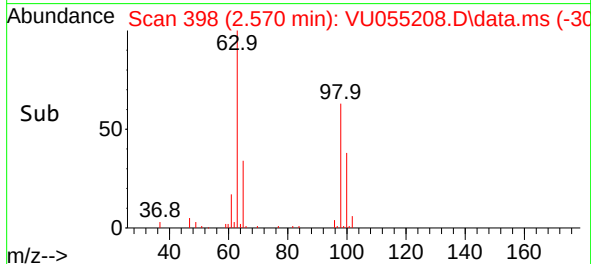
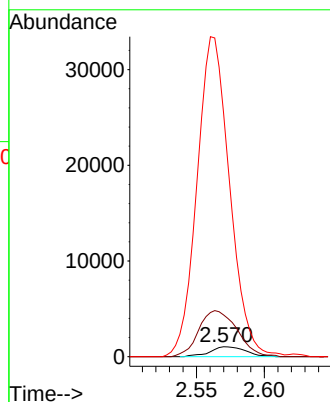
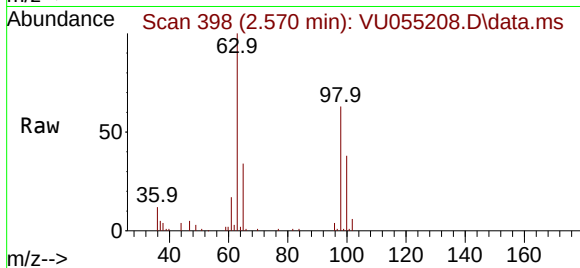




#12
1,1-Dichloroethene
Concen: 0.227 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.006 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

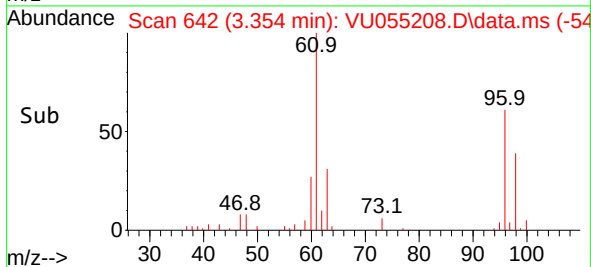
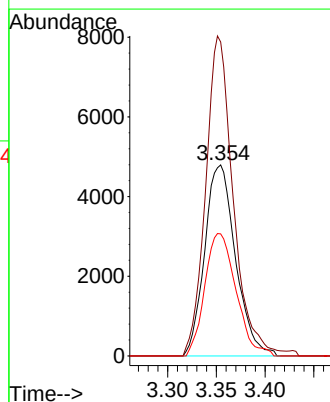
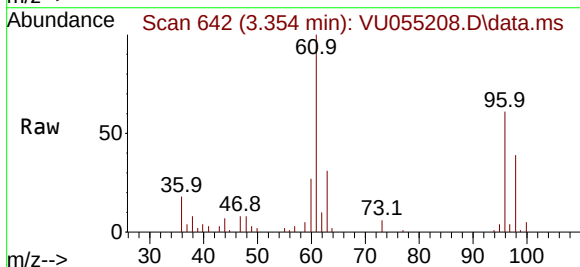
Instrument :
MSVOA_U
ClientSampleId :
BH4K1

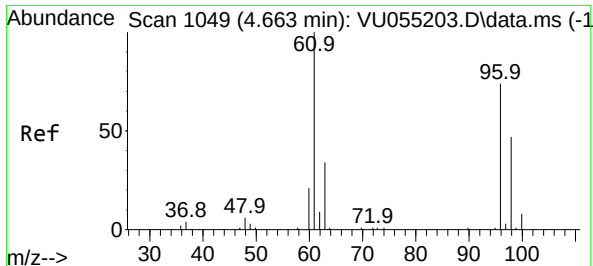
Tgt Ion: 96 Resp: 1903
Ion Ratio Lower Upper
96 100
61 343.0 120.8 224.4#
63 2000.0 94.5 175.5#



#18
trans-1,2-Dichloroethene
Concen: 1.244 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU055208.D
Acq: 08 Sep 2023 00:32

Tgt Ion: 96 Resp: 10562
Ion Ratio Lower Upper
96 100
61 164.4 108.1 200.9
98 63.9 45.4 84.4



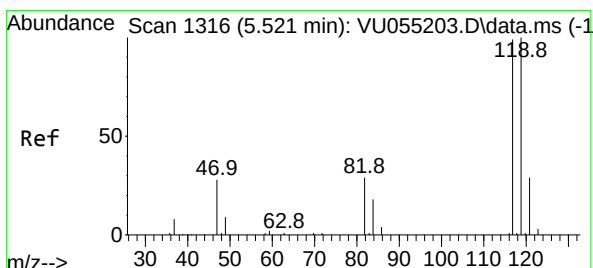
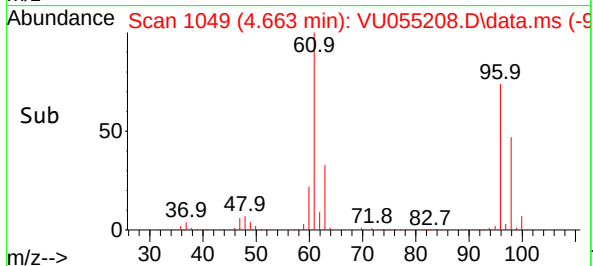
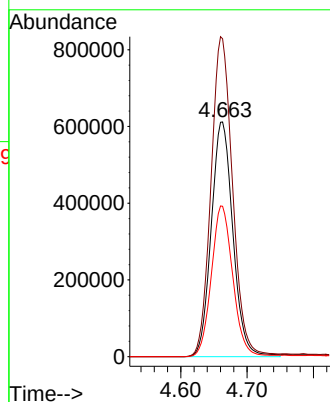
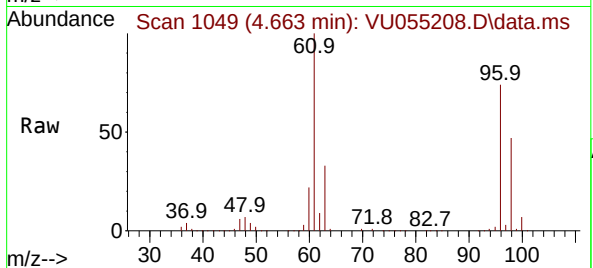


#22
 cis-1,2-Dichloroethene
 Concen: 133.538 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU055208.D
 Acq: 08 Sep 2023 00:32

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4K1

Tgt Ion: 96 Resp: 1388264

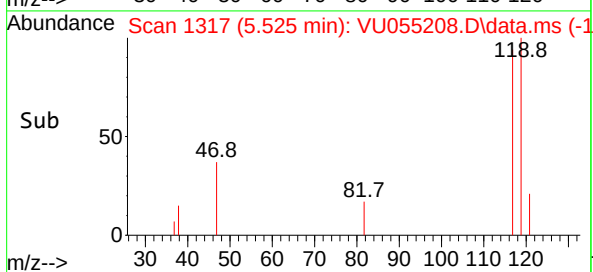
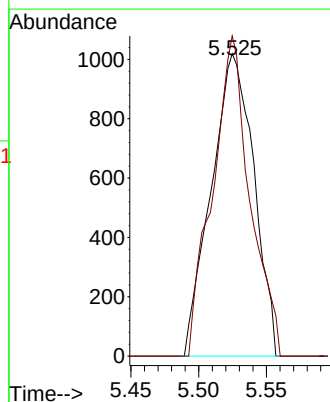
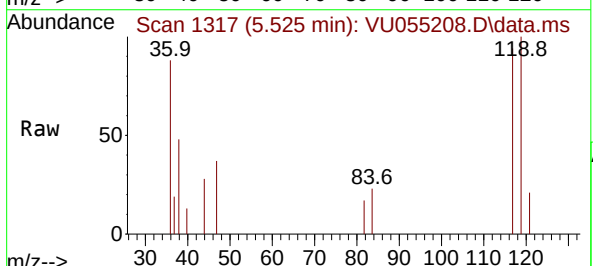
Ion	Ratio	Lower	Upper
96	100		
61	135.4	97.2	180.4
98	64.0	46.1	85.7

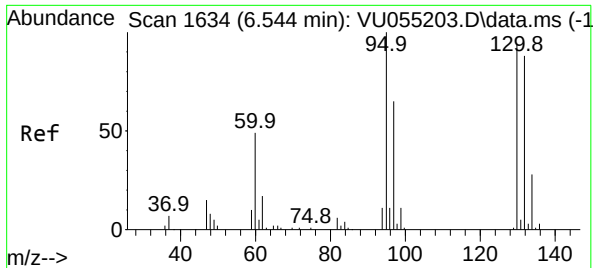


#31
 Carbon tetrachloride
 Concen: 0.168 ug/L
 RT: 5.525 min Scan# 1317
 Delta R.T. 0.003 min
 Lab File: VU055208.D
 Acq: 08 Sep 2023 00:32

Tgt Ion: 117 Resp: 2224

Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.4	113.0



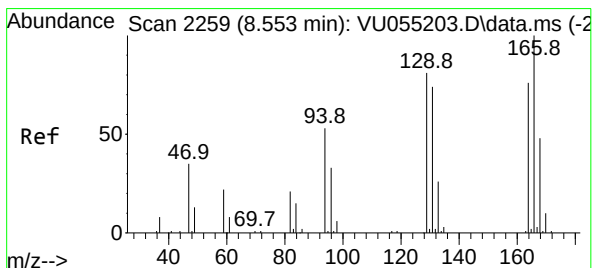
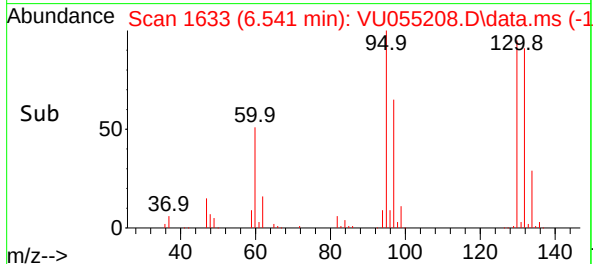
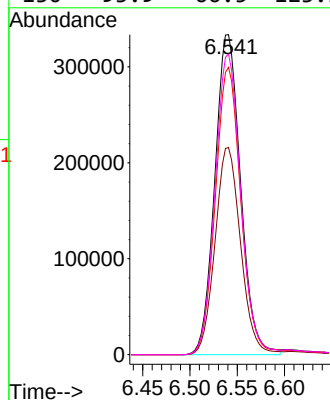
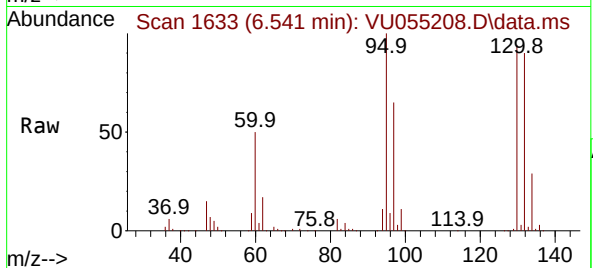


#34
 Trichloroethene
 Concen: 58.174 ug/L
 RT: 6.541 min Scan# 1
 Delta R.T. -0.003 min
 Lab File: VU055208.D
 Acq: 08 Sep 2023 00:32

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4K1

Tgt Ion: 95 Resp: 633040

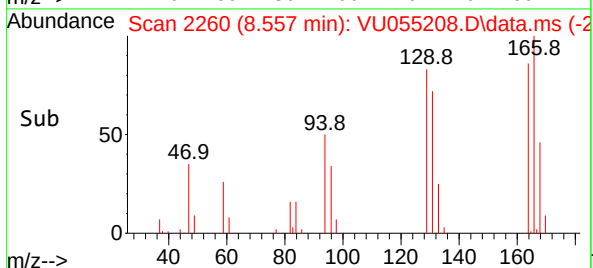
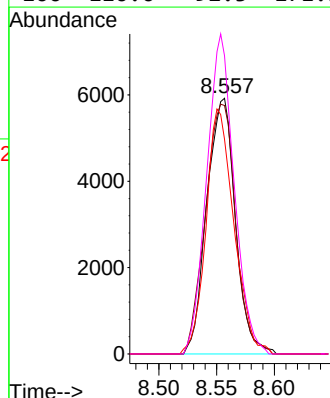
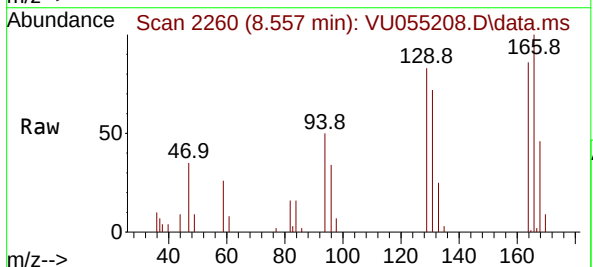
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.7	83.1
132	89.8	66.6	123.6
130	93.9	66.5	123.5

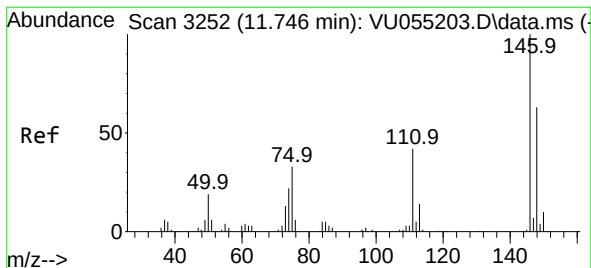


#47
 Tetrachloroethene
 Concen: 1.356 ug/L
 RT: 8.557 min Scan# 2260
 Delta R.T. 0.003 min
 Lab File: VU055208.D
 Acq: 08 Sep 2023 00:32

Tgt Ion: 164 Resp: 10198

Ion	Ratio	Lower	Upper
164	100		
129	97.1	69.2	128.6
131	84.0	68.8	127.8
166	116.6	92.3	171.5





#64

1,3-Dichlorobenzene

Concen: 0.731 ug/L

RT: 11.750 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU055208.D

Acq: 08 Sep 2023 00:32

Instrument :

MSVOA_U

ClientSampleId :

BH4K1

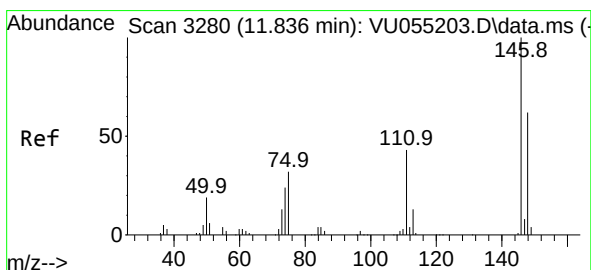
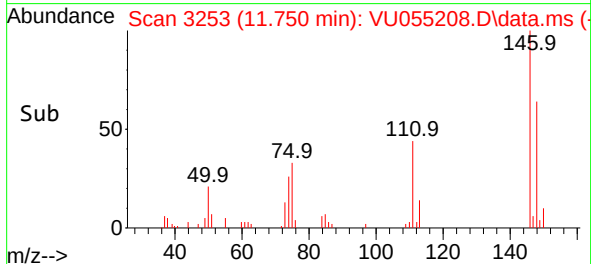
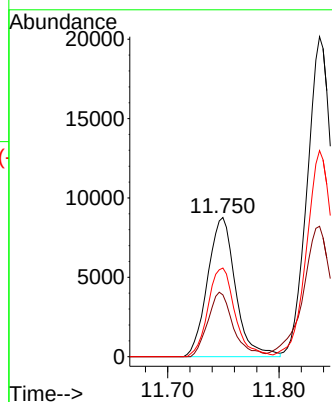
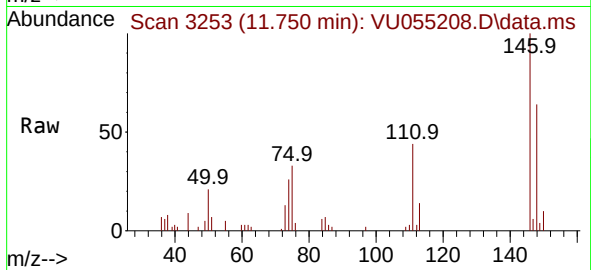
Tgt Ion:146 Resp: 15260

Ion Ratio Lower Upper

146 100

111 44.3 30.0 55.6

148 63.7 45.2 84.0



#65

1,4-Dichlorobenzene

Concen: 1.587 ug/L

RT: 11.836 min Scan# 3280

Delta R.T. 0.000 min

Lab File: VU055208.D

Acq: 08 Sep 2023 00:32

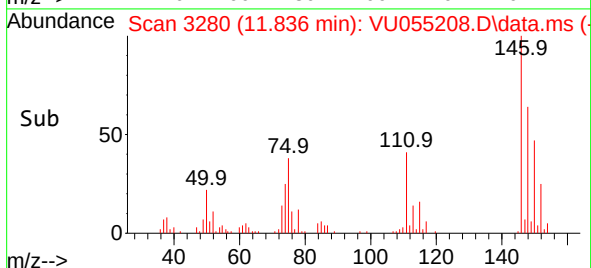
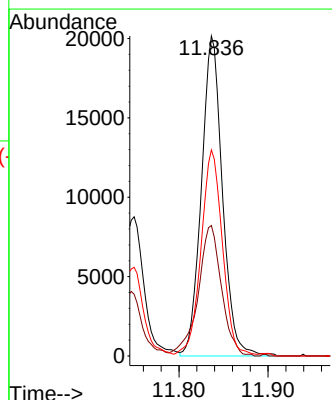
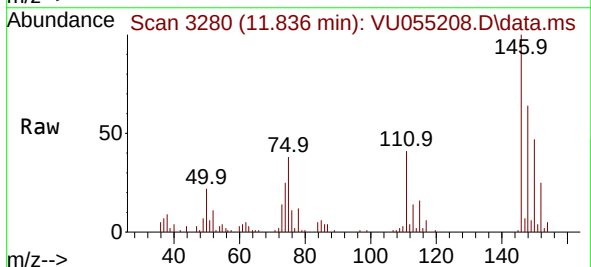
Tgt Ion:146 Resp: 33019

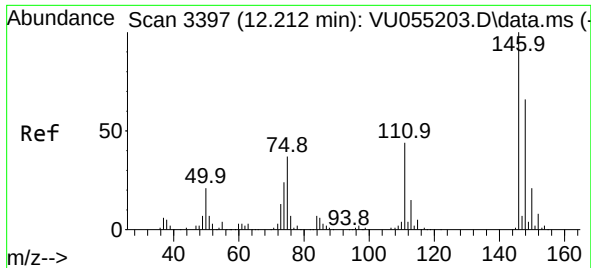
Ion Ratio Lower Upper

146 100

111 40.8 28.1 52.1

148 64.4 43.8 81.3





#67

1,2-Dichlorobenzene

Concen: 0.800 ug/L

RT: 12.213 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU055208.D

Acq: 08 Sep 2023 00:32

Instrument :

MSVOA_U

ClientSampleId :

BH4K1

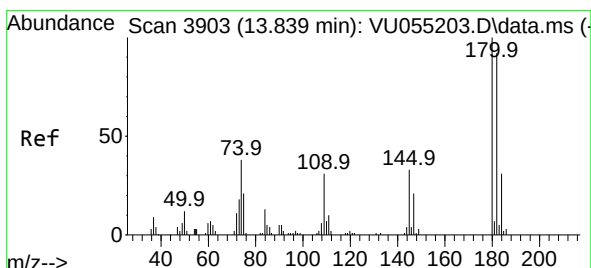
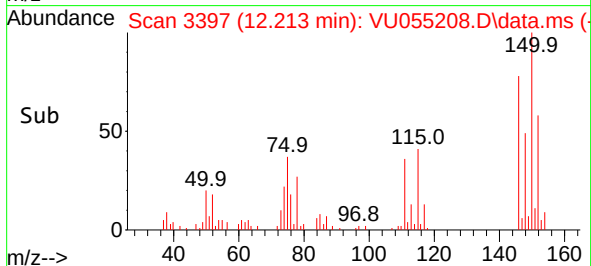
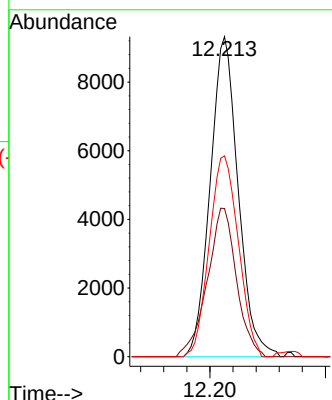
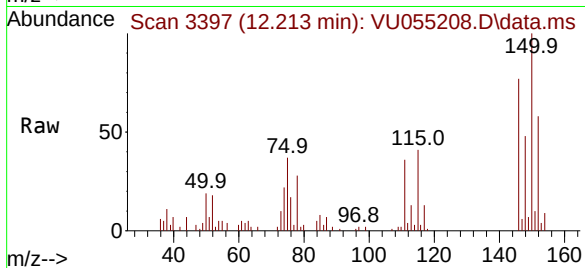
Tgt Ion:146 Resp: 15656

Ion Ratio Lower Upper

146 100

111 46.3 35.6 53.4

148 62.8 51.3 76.9



#70

1,2,4-trichlorobenzene

Concen: 35.749 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.003 min

Lab File: VU055208.D

Acq: 08 Sep 2023 00:32

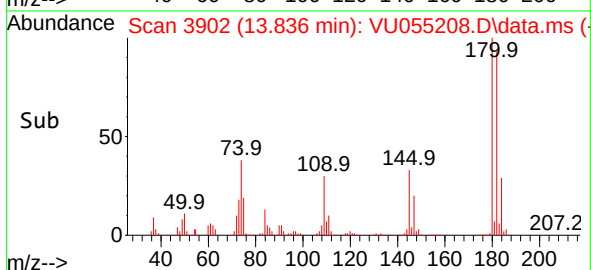
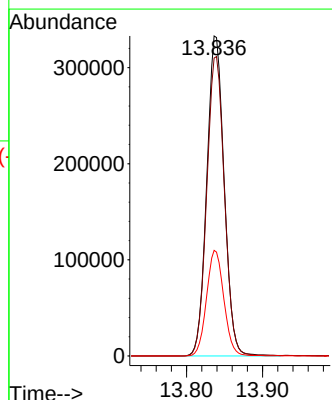
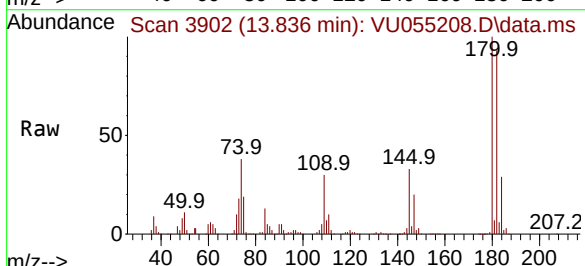
Tgt Ion:180 Resp: 528832

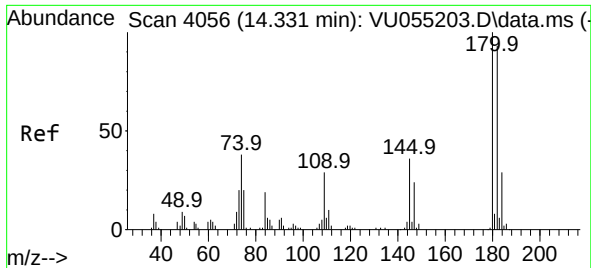
Ion Ratio Lower Upper

180 100

182 95.1 73.6 110.4

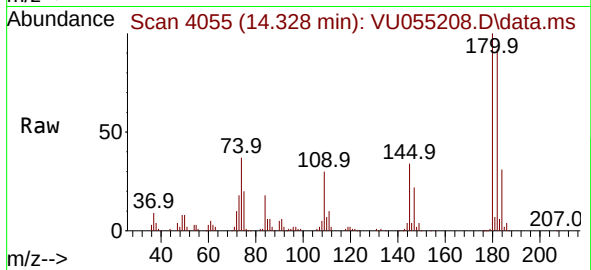
145 32.9 25.8 38.8





#72
 1,2,3-Trichlorobenzene
 Concen: 12.887 ug/L
 RT: 14.328 min Scan# 4055
 Delta R.T. -0.003 min
 Lab File: VU055208.D
 Acq: 08 Sep 2023 00:32

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4K1



Tgt Ion:180 Resp: 165464
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.6 113.4
 145 34.1 27.0 40.6

